OpsAuditHub opsauditihub.com	DOC ID: **SAF-0135**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 29 CFR 1910.120 (HAZWOPER) & EPA 40 CFR 264**	AUDIT FREQUENCY: **Monthly Audit**

Chemical Spill Response Procedure Sop Template

Operational Scope: This Standard Operating Procedure establishes the mandatory protocols for containing, neutralizing, and cleaning up hazardous chemical spills within all manufacturing facilities. Its primary objective is personnel protection and environmental compliance in accordance with federal containment regulations.

MANDATORY PPE:	Butyl Rubber or Nitrile Gloves (ASTM F739 tested), Chemical Splash Goggles (ANSI Z87.1), Full-Face Respirator with Multi-Gas Cartridges, Chemical-Resistant Tyvek Coveralls, Steel-Toe Rubber Boots, Acid-Resistant Apron
PREREQUISITES:	Verify spill classification (Incidental vs. Emergency Release) before action. | Ensure immediate evacuation of un-trained personnel and establish a 50-foot perimeter. | Confirm location and accessibility of the nearest emergency eyewash and safety shower station.

INITIAL ASSESSMENT AND NOTIFICATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Source Identification**	Identify the leaking container, pipe, or vessel, and confirm the specific chemical via SDS and secondary labeling.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Spill Volume Estimation**	Determine if the release volume exceeds incidental spill thresholds (>55 gallons or highly toxic) requiring external HAZMAT activation.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Emergency Communications**	Notify the Shift Supervisor and EHS Department immediately; trigger internal facility alarm if release poses an airborne hazard.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
4	**Ventilation and Source Isolation**	Shut down local HVAC intake systems if volatile fumes are present and safely isolate the source valve if accessible without exposure.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

CONTAINMENT AND NEUTRALIZATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Perimeter Diking**	Deploy absorbent socks and booms around floor drains and down-slope pathways to prevent migration into municipal water systems.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Neutralizing Agent Application**	Apply appropriate neutralizing powder (acid or base neutralizer) starting from the outer perimeter moving inward toward the center.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Absorbent Pad Deployment**	Place chemical absorbent pads over the pooled liquid, allowing complete saturation without splashing.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

CLEAN-UP, DECONTAMINATION, AND REPORTING

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Hazardous Waste Packaging**	Scoop all contaminated absorbents and debris into designated UN-rated polyethylene salvage drums and label with hazardous waste tags.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**PPE and Equipment Decontamination**	Rinse reusable safety gear in the designated wash station, inspect for degradation, and properly doff disposable PPE into waste drums.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
10	**Incident Investigation and Sign-off**	Complete the OpsAuditHub root-cause incident log, restock the spill station inventory to 100% capacity, and obtain supervisor sign-off.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified HAZWOPER Responder / Lead Operator Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site EHS Manager / Operations Director Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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